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(#6)

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/527,257
Source: PC/10
Date Processed by STIC: 1/11/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/527,257

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If **intentional**, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/527,257

TIME: 14:12:07

Input Set : A:\186353 US - Sequence Listing 10 527257.txt

Output Set: N:\CRF4\01112006\J527257.raw

3 <110> APPLICANT: Wu, Jun
 4 Luo, Ying
 6 <120> TITLE OF INVENTION: TUMOR TAG AND THE USE THEREOF
 8 <130> FILE REFERENCE: 024455
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/527,257
 C--> 10 <141> CURRENT FILING DATE: 2005-03-09
 10 <160> NUMBER OF SEQ ID NOS: 9
 12 <170> SOFTWARE: PatentIn version 3.1
 14 <210> SEQ ID NO: 1
 15 <211> LENGTH: 720
 16 <212> TYPE: DNA
 17 <213> ORGANISM: Homo sapiens
 19 <220> FEATURE:
 20 <221> NAME/KEY: CDS
 21 <222> LOCATION: (1)..(639)
 22 <223> OTHER INFORMATION:
 W--> 25 <400> 1
 26 atg gca gcg gcc gcc agc ccc gcg ttc ctt cta cgc ctc ccg ctt ctg 48
 27 Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu
 28 1 5 10 15
 30 ctc ctg ctg tcc agc tgg tgc agg acc ggg ctg gcc gac cct cac tct 96
 31 Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser
 32 20 25 30
 34 ctt tgc tat gac atc acc gtc atc cct aag ttc aga cct gga cca cgg 144
 35 Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg
 36 35 40 45
 38 tgg tgt gcg gtt caa ggc cag gtg gat gaa aag act ttt ctt cac tat 192
 39 Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr
 40 50 55 60
 42 gac tgt ggc agc aag aca gtc aca ccc gtc agt ccc ctg ggg aag aaa 240
 43 Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys
 44 65 70 75 80
 46 cta aat gtc aca acg gcc tgg aaa gca cag aac cca gta ctg aga gag 288
 47 Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu
 48 85 90 95
 50 gtg gtg gac ata ctt aca gag caa ctg ctt gac att cag ctg gag aat 336
 51 Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn
 52 100 105 110
 54 tac ata ccc aag gaa ccc ctc acc ctg cag gcc agg atg tct tgt gag 384
 55 Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu
 56 115 120 125
 58 cag aaa gcc gaa gga cac ggc agt gga tct tgg cag ctc agt ttc gat 432
 59 Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp

Does Not Comply
Corrected Diskette Needed

P.3

RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/527,257

TIME: 14:12:07

Input Set : A:\186353 US - Sequence Listing 10 527257.txt

Output Set: N:\CRF4\01112006\J527257.raw

```

60      130      135      140
62 gga cag atc ttc ctc ctc ttt gac tca gaa aac aga atg tgg aca acg      480
63 Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr
64 145      150      155      160
66 gtt cat cct gga gcc aga aag atg aaa gaa aag tgg gag aat gac aag      528
67 Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys
68      165      170      175
70 gat atg acc atg tcc ttc cat tac atc tca atg gga gac tgc aca gga      576
71 Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly
72      180      185      190
74 tgg ctt gag gac ttc ttg atg ggc atg gac agc acc ctg gag cca agt      624
75 Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser
76      195      200      205
78 gca gga ggc aca gtc tgacccaaag ccatggccac caccctcagt ccctgcagcc      679
79 Ala Gly Gly Thr Val
80      210
82 tctctctcat cctccccctgc ttcatectcc ctggcatctg a      720
85 <210> SEQ ID NO: 2
86 <211> LENGTH: 213
87 <212> TYPE: PRT
88 <213> ORGANISM: Homo sapiens
90 <400> SEQUENCE: 2
92 Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu
93 1      5      10      15
96 Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser
97      20      25      30
100 Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg
101      35      40      45
104 Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr
105      50      55      60
108 Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys
109 65      70      75      80
112 Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu
113      85      90      95
116 Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn
117      100      105      110
120 Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu
121      115      120      125
124 Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp
125      130      135      140
128 Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr
129 145      150      155      160
132 Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys
133      165      170      175
136 Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly
137      180      185      190
140 Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser
141      195      200      205
144 Ala Gly Gly Thr Val

```

RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/527,257

TIME: 14:12:07

Input Set : A:\186353 US - Sequence Listing 10 527257.txt

Output Set: N:\CRF4\01112006\J527257.raw

145 210

148 <210> SEQ ID NO: 3

149 <211> LENGTH: 29

150 <212> TYPE: DNA

151 <213> ORGANISM: primer *invalid response - see item 10 on Error*

153 <400> SEQUENCE: 3 *summary*

154 cgggaattcat ggcagcggcc gccagcccc 29 *sheet*

157 <210> SEQ ID NO: 4

158 <211> LENGTH: 30

159 <212> TYPE: DNA

160 <213> ORGANISM: primer

162 <400> SEQUENCE: 4

163 gccaaagcttg atgccaggga ggatgaagca 30

166 <210> SEQ ID NO: 5

167 <211> LENGTH: 34

168 <212> TYPE: DNA

169 <213> ORGANISM: primer

171 <400> SEQUENCE: 5

172 ccggaattcg accctcactc tctttgctat gaca 34

175 <210> SEQ ID NO: 6

176 <211> LENGTH: 30

177 <212> TYPE: DNA

178 <213> ORGANISM: primer

180 <400> SEQUENCE: 6

181 gccaaagcttg atgccaggga ggatgaagca 30

184 <210> SEQ ID NO: 7

185 <211> LENGTH: 21

186 <212> TYPE: DNA

187 <213> ORGANISM: primer

189 <400> SEQUENCE: 7

190 atggcagcgg ccgccagccc c 21

193 <210> SEQ ID NO: 8

194 <211> LENGTH: 24

195 <212> TYPE: DNA

196 <213> ORGANISM: primer

198 <400> SEQUENCE: 8

199 tcagatgcca gggaggatga agca 24

202 <210> SEQ ID NO: 9

203 <211> LENGTH: 742

204 <212> TYPE: DNA

205 <213> ORGANISM: Homo sapiens

207 <400> SEQUENCE: 9

208 atggcagcgg ccgccagccc cgcgttcctt ctacgcctcc cgcttctgct cctgctgtcc 60

210 agctggtgca ggaccgggct ggccgaccct cactctcttt gctatgacat caccgtcatc 120

212 cctaagttca gacctggacc acggtggtgt gcggttcaag gccagggtgga tgaaaagact 180

214 tttcttcact atgactgtgg cagcaagaca gtcacaccgc tcagtcccct ggggaagaaa 240

216 ctaaatgtca caacggcctg gaaagcacag aaccagtag tgagagaggt ggtggacata 300

218 cttacagagc aactgcttga cattcagctg gagaattaca taccgaagga acccctcacc 360

220 ctgcaggcca ggatgtcttg tgagcagaaa gccgaaggac acggcagtggt atcttggcag 420

RAW SEQUENCE LISTING

DATE: 01/11/2006

PATENT APPLICATION: US/10/527,257

TIME: 14:12:07

Input Set : A:\186353 US - Sequence Listing 10 527257.txt

Output Set: N:\CRF4\01112006\J527257.raw

222	ctcagtttcg	atggacagat	cttcctcctc	tttgactcag	aaaacagaat	gtggacaacg	480
224	gttcatcctg	gagccagaaa	gatgaaagaa	aagtgggaga	atgacaagga	tatgaccatg	540
226	tccttccatt	acatctcaat	gggagactgc	acaggatggc	ttgaggactt	cttgatgggc	600
228	atggacagca	ccctggagcc	aagtgcagga	gcaccaccca	ccatgtcctc	aggcacagcc	660
230	caacccaggg	ccacggccac	caccctcatc	ctttgctgcc	tcctcatcat	gtgtctcctc	720
232	atatgctcca	ggcacagtct	ga				742

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/527,257

DATE: 01/11/2006

TIME: 14:12:08

Input Set : A:\186353 US - Sequence Listing 10 527257.txt

Output Set: N:\CRF4\01112006\J527257.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:25 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:1,Line#:22